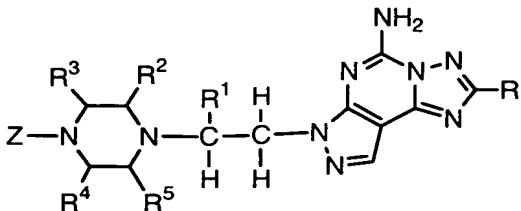


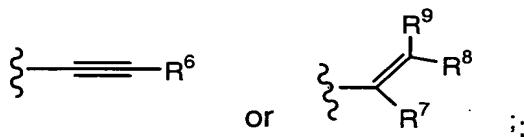
We claim:

1. A compound having the structural formula



5 or a pharmaceutically acceptable salt thereof, wherein

R is

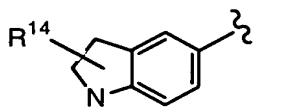


R¹, R², R³, R⁴ and R⁵ are independently selected from the group consisting of H, alkyl and alkoxyalkyl;

10 R⁶ is H, alkyl, hydroxyalkyl or -CH₂F;

R⁷, R⁸ and R⁹ are independently selected from the group consisting of H, alkyl, alkoxy, alkylthio, alkoxyalkyl, halo and -CF₃;

Z is R¹⁰-aryl, R¹⁰-heteroaryl or



15 R¹⁰ is 1 to 5 substituents independently selected from the group consisting of hydrogen, alkyl, alkenyl, hydroxy, alkoxy, hydroxyalkyl, hydroxy-alkoxy, alkoxyalkyl, alkoxyalkoxy, alkoxy-alkoxy-alkyl-, (di-alkoxy)-alkyl, (hydroxy)-alkoxyalkyl, R¹⁵-cycloalkyl, R¹⁵-cycloalkylalkyl, cycloalkyl-oxy, cycloalkyl-O-alkoxy, alkyl-SO₂⁻, alkyl-SO-, halo, -CN, cyanoalkyl, -CHF₂, -CF₃, -OCHF₂, -OCF₃, -C(O)R¹³, -O-alkylene-C(O)OR¹³, -C(O)O-alkyl, -N(R¹¹)(R¹²), N(R¹¹)(R¹²)-alkyl, N(R¹¹)(R¹²)-alkoxy, -C(O)N(R¹³)(R¹⁶), R¹¹-heteroaryl, R¹⁵-heterocycloalkyl, R¹⁵-heterocycloalkyl-alkyl, R¹⁵-heterocycloalkyl-alkoxy, R¹⁵-heterocycloalkyl-oxy, CF₃-alkylene-O-alkyl, CF₃-hydroxyalkyl, (CF₃)(hydroxy)alkoxy, cyano-alkoxy, -alkylene-C(O)-O-alkyl, -SO₂-N(alkyl)₂, (cycloalkyl)hydroxyalkyl, (hydroxyalkyl)alkoxy, (dihydroxy)alkyl, (dihydroxy)alkoxy, -C(=NOR¹⁷)-alkyl and -C(=NOR¹⁷)-CF₃;

or two R¹⁰ groups on adjacent carbon ring atoms together form -O-CH₂-O-, -O-(CH₂)₂-O-, -CH₂-O-(CH₂)₂-O-, -O-(CH₂)₃-O-, -O-(CH₂)₃-O-, -(CH₂)₃-,

wherein the ring formed by the two R¹⁰ substituents and the ring carbon atoms to which they are attached is substituted by R¹⁶;

or two R¹⁰ groups on adjacent carbon ring atoms together form
-N(R¹¹)-C(O)-O-, -N(R¹¹)-C(O)-S-, -(CH₂)₂CH(OR¹⁸)-, -CH₂CH(OR¹⁸)CH₂-,

5 -(CH₂)₃CH(OR¹⁸)-, -(CH₂)₂CH(OR¹⁸)CH₂-, -(CH₂)₂C(O)-, -CH₂C(O)CH₂-, -(CH₂)₃C(O)-,
-(CH₂)₂C(O)CH₂-, -O(CH₂)₂CH(OR¹⁸)- or -OCH₂CH(OR¹⁸)CH₂-, wherein the ring formed by two R¹⁰ substituents and the ring carbon atoms to which they are attached is optionally substituted on a carbon atom by hydroxyalkyl or alkoxyalkyl;

each R¹¹ is independently selected from the group consisting of H and alkyl;

10 each R¹² is independently selected from the group consisting of H, alkyl, hydroxyalkyl, alkoxyalkyl, -C(O)-alkyl, -C(O)O-alkyl, (alkoxy)hydroxyalkyl, alkoxyalkyl-C(O)-, -SO₂alkyl, -alkylene-C(O)alkyl and -alkylene-C(O)O-alkyl;

R¹³ is H, alkyl or -CF₃;

R¹⁴ is H, alkyl, alkoxyalkyl, alkyl-C(O)- or alkoxy-C(O)-;

15 R¹⁵ is 1 to 3 substituents independently selected from the group consisting of H, alkyl, -OH, alkoxy, alkoxyalkyl and hydroxyalkyl; or two R¹⁵ substituents, taken together with the carbon to which they are both attached, form a -C(=O)- group;

R¹⁶ is H, alkyl, alkoxyalkyl, OH or hydroxyalkyl;

R¹⁷ is H or alkyl; and

20 R¹⁸ is H or alkyl.

2. A compound of claim 1 wherein R is -C≡CR⁶.

3. A compound of claim 2 wherein R⁶ is H or alkyl.

25

4. A compound of claim 1 wherein R², R³, R⁴ and R⁵ are each H.

5. A compound of claim 1 wherein Z is R¹⁰-aryl or R¹⁰-heteroaryl.

30 6. A compound of claim 5 wherein Z is R¹⁰-phenyl.

7. A compound of claim 6 wherein R¹⁰ is 1, 2 or 3 substituents independently selected from the group consisting of H, halo, -C(O)R¹³, alkyl, alkoxy, hydroxyalkyl, (cycloalkyl)hydroxyalkyl, hydroxyalkoxy, alkoxyalkoxy, alkoxyalkyl, and cyanoalkyl.

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8. A compound of claim 7 comprising two R¹⁰ substituents wherein one R¹⁰ is halo and the other R¹⁰ is halo, -C(O)R¹³, alkyl, alkoxy, hydroxyalkyl, (cycloalkyl)hydroxyalkyl, hydroxyalkoxy, alkoxyalkoxy, alkoxyalkyl or cyanoalkyl.

5 9. A compound of claim 8 comprising two R¹⁰ substituents wherein one R¹⁰ is *o*-fluoro and the other R¹⁰ is halo, -C(O)R¹³, alkyl, alkoxy, hydroxyalkyl, (cycloalkyl)hydroxyalkyl, hydroxyalkoxy, alkoxyalkoxy, alkoxyalkyl or cyanoalkyl.

10 10. A compound of claim 5 wherein Z is R¹⁰-heteroaryl.

10 11. A compound of claim 10 wherein Z is R¹⁰-benzoxazolyl or R¹⁰-benzisoxazolyl and R¹⁰ is 1 or 2 substituents independently selected from the group consisting of H, halo and alkyl.

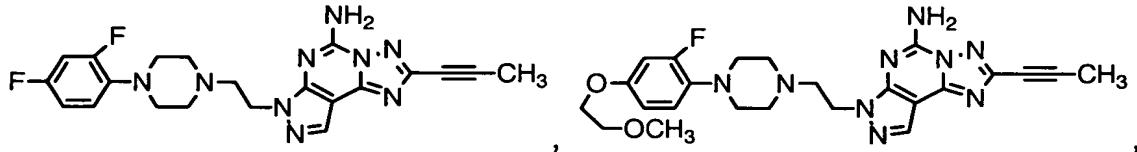
15 12. A compound of claim 11 wherein one R¹⁰ is fluoro and one R¹⁰ is methyl.

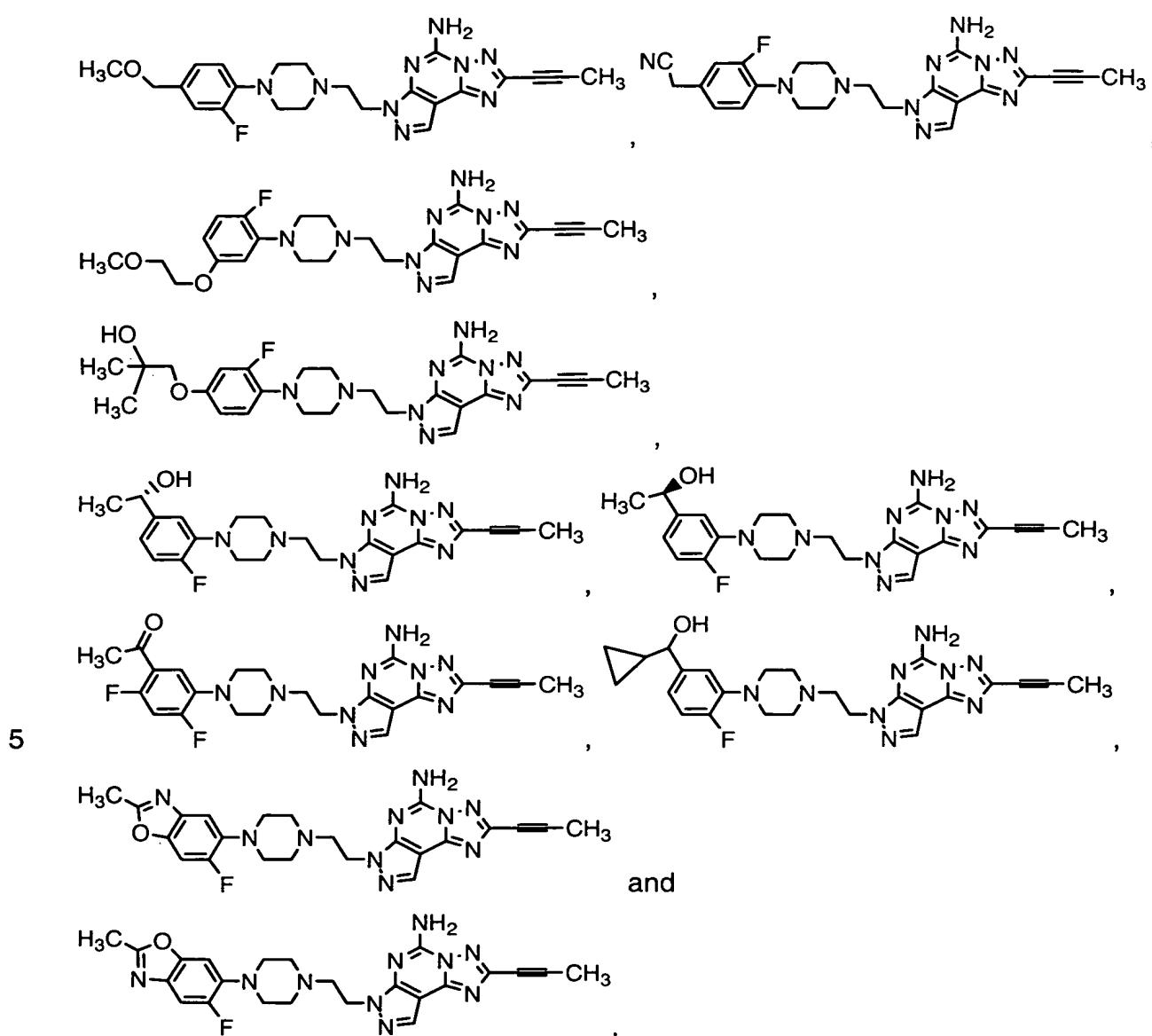
13. A compound of claim 1 wherein R is -C≡CR⁶, R², R³, R⁴ and R⁵ are each H, and Z is R¹⁰-aryl or R¹⁰-heteroaryl.

20 14. A compound of claim 13 wherein Z is R¹⁰-phenyl and R¹⁰ is two substituents wherein one R¹⁰ is halo and the other R¹⁰ is halo, -C(O)R¹³, alkyl, alkoxy, hydroxyalkyl, (cycloalkyl)hydroxyalkyl, hydroxyalkoxy, alkoxyalkoxy, alkoxyalkyl or cyanoalkyl.

25 15. A compound of claim 13 wherein Z is R¹⁰-benzoxazolyl or R¹⁰-benzisoxazolyl and R¹⁰ is 1 or 2 substituents independently selected from the group consisting of H, halo and alkyl.

16. A compound of claim 1 selected from the group consisting of





17. A pharmaceutical composition comprising a therapeutically effective amount of
10 a compound of claim 1 in a pharmaceutically acceptable carrier.

18. A method of treating central nervous system diseases or stroke, comprising
administering an effective amount of a compound of formula I to a mammal in need
of such treatment.

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19. A method of claim 18 for treating depression, cognitive diseases and
neurodegenerative diseases.

20. A method of claim 18 for treating Parkinson's disease, senile dementia, psychoses of organic origin, attention deficit disorder, Extra Pyramidal Syndrome, dystonia, restless leg syndrome or periodic limb movement in sleep.

5 21. A pharmaceutical composition comprising a therapeutically effective amount of a combination of a compound of claim 1, and 1 to 3 other agents useful in treating Parkinson's disease in a pharmaceutically acceptable carrier.

10 22. A method of treating Parkinson's disease comprising administering to a mammal in need of such treatment an effective amount of a combination of a compound of claim 1, and 1 to 3 other agents useful in treating Parkinson's disease.

15 23. The method of claim 22 wherein the other agents are selected from the group consisting of L-DOPA, dopaminergic agonists, MAO-B inhibitors, DOPA decarboxylase inhibitors and COMT inhibitors.